



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: HIRAYAMA=3

In re Application of:	)	Conf. No.: 3091
	)	
Shinobu HIRAYAMA et al	)	Art Unit: 3723
	)	
Appln. No.: 10/822,681	)	Examiner:
	)	
Filed: April 13, 2004	)	Washington, D.C.
	)	
For: HIGH-SPEED CUTTING	)	November 29, 2004
PROCESS FOR GENERATING	)	
DESIRED CURVED SURFACE...	)	

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents  
U.S. Patent and Trademark Office  
220 20th Street South  
Customer Window, **Mail Stop Amendment**  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Sir:

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

[X] before the mailing date of a first office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 CFR §1.114.

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form PTO-1449) of all patents, publications, or other information submitted for consideration

by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

[X] A. Document AE is a U.S. patent and/or published application. 37 CFR §1.98(a)(2)(ii) does not require the filing of legible copies of U.S. patents or U.S. patent application publications unless required by the Office.

[X] 3. Documents AF and AG are not in the English language. In accordance with 37 CFR §1.98(a)(3), Applicant(s) states:

[X] An English translation of each document AF and AG (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application, or English-language abstract (or claim) is enclosed. If a corresponding patent or application is being relied on, a line connecting the non-English-language document with its corresponding English-language document is drawn in the margin of the accompanying form PTO/SB/08a.

[X] 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

[X] 5. Other information being provided for the examiner's consideration follows:

*European Search Report*

6. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is

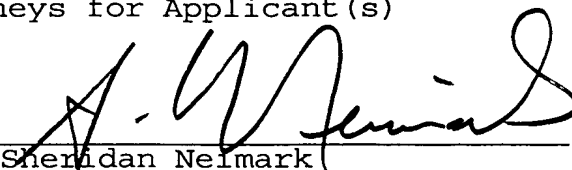
In re Appln. No. 10/822,681

taken from the face of the item and Applicant(s) reserves the right to prove that the date of publication is in fact different.

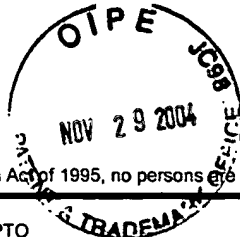
Respectfully submitted,

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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/822,681
Filing Date	April 13, 2004
First Named Inventor	Shinobu HIRAYAMA et al
Group Art Unit	3723
Confirmation Number	3091
Attorney Docket Number	HIRAYAMA=3

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AE	US-6,558,586 B1	05-06-2003	PADIOU et al.	
		US			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	AF	JP 11-309602 A	11-09-1999	SEIBU ELECTRIC & MACH CO. LTD.		ABS
	AG	JP 2002-126907 A	05-08-2002	SEIBU ELECTRIC & MACH CO. LTD.		ABS

Examiner  
SignatureDate  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.